Table of Contents

*Author for correspondence

Authors	Page	Title
R.J. HUXTABLE	1	Cover illustration - regional ethnopharmacology: *Turbina corymbosa* (L.) Raf.
J.R. SMITH* & W.L. GABLER	3	Effects of doxycycline in two rat models of ischemia/reperfusion injury
E. HAYE*, G.N. BEATCH, P.G. ADAIKAN, S.S RATNAM & M.J.A. WALKER	5	Acute cardiovascular and toxic effects of potassium channel blockers in anesthetized primates
R.A. BOBADILLA*, I. VALENCIA, M. IBARRA, E. F. CASTILLO, C. CASTILLO, & E. HONG	9	Vasodilator and hypotensive effects of droperidol
A. ANAYA & J. G. NINOMIYA*	11	The Effects of Oxytocin and Acetylcholine on the Uterine Smooth Muscle Fibers of Pregnant Rats at Term with Pelvic Neurectomy
E.F. CASTILLO*, R.A. BOBADILLA, I. VALENCIA, C. CASTILLO, & E. HONG	13	Direct Cardiac Effects of Droperidol and Thiopental
Y.L. ZHANG*, T. LI & W.W. LAUTT	15	Adenosine Metabolism In Vivo
F. J. LOPEZ-MUÑOZ*, C. M. VILLALON, J. A. TERRON & L. A. SALAZAR	17	Analgesic interactions produced by combinations of dipyrone and morphine in the rat
M. SAIFEDDINE, A. LANIYONU, S. AHMAD & M.D. HOLLENBERG*	21	Bi-directional control of smooth muscle tension: regulation by tyrosine kinase and tyrosine phosphatase
C.M. VILLALÓN*, F.J. LÓPEZ-MUÑOZ, C. HOYO-VADILLO & J.A. TERRÓN	25	Mediation of 5-hydroxytryptamine-induced decrease in external carotid blood flow in the dog by 5-HT_1-like receptors and a receptor unrelated to the 5-HT_1, 5-HT_2, 5-HT_3 or 5-HT_4 types
R. BARROSO-MOGUEL*, S. GALVÁN-ARZATE, J. VILLEDA-HERNÁNDEZ, M. MÉNDEZ-ARMENTA, M, M. ALCARAZ-ZUBELDIA & C. RÍOS	27	Antitumoral Effect of Thallium Against N-Ethyl-N-Nitroso-Urea-Induced Brain Tumors
A. SANTAMARÍA, M. ALTAGRACIA*, F. SOLÍS, J. KRAVZOV, H. ORDAZ, L. GONZALEZ, & C. RÍOS	29	Kynurenine and probenecid prevent quinolinic acid-induced neurotoxicity in rat corpus striatum
H. XIE & C.R. TRIGGLE*	31	Acetylcholine Relaxes the Human Umbilical Artery by an Endothelium-Independent but Ouabain and Tetraethylammonium-Sensitive Process

Authors	Page	Title
R. HAWKES* & R.W. TURNER	35	Compartmentation of NADPH-Diaphorase Activity in the Anterior Lobe Vermis of the Mouse Cerebellar Cortex
H. XIE & W.W. LAUTT*	39	Insulin Resistance Produced by Hepatic Denervation or Muscarinic Cholinergic Blockade
C. CASTILLO*, G. REYES, M.A. ROSAS-LEZAMA, I. VALENCIA & E. HONG	41	Analysis of the Cardiodepressor Action of 3-Nitropropionic Acid
J. KRAVZOV, C. RÍOS*, M. ALTAGRACIA & D. JIMÉNEZ	43	Comparison of Cobalt Edetate and α-Ketoglutarate as Antidotes Against Cyanide Intoxication in Mice
I. VALENCIA*, E.F. CASTILLO, R.A. BOBADILLA, C. CASTILLO & E. HONG	45	Role of Vascular Endothelium on Contractile and Pressor Responses Induced by Imidazole-Derived α-Adrenergic Agonists
N. WEINER* & T.A. FRENCH	47	Role of Central Serotoninergic Neuronal Systems and the Hypothalmic-Pituary-Thyroid Axis in Mediating Thermogenic Effects Of Thyrotropin-Releasing Hormone in Long-Sleep and Short-Sleep Mice
B. ANGUS, J. GINTAUTAS*, F. DUVALSAINT & A.R. ABADIR	51	Candida in Patients of a Surgical Intensive Care Unit
D.V. PRIOLA*, B.GARCIA, W. ORTEGA & K. DURAN	53	Neuropeptide Modulation of Cardiac Intrinsic Nerve Activity: Neuropeptide Y - A Preliminary Report
P. SARANSAARI* & S.S. OJA	55	Glutamate Agonists Evoke Glycine Release from Hippocampal Slices from Developing Mice
S.S. OJA*, ZS. JENEI, R. JANÁKY, P. SARANSAARI & V. VARGA	59	Thiol Reagents and Brain Glutamate Receptors
M. ALTAGRACIA, J. KRAVZOV, A. SANTAMARÍA, C. RÍOS*, H. ORDAZ, & L. GONZALEZ	63	Dapsone Administration Prevents Quinolinate-Induced Neurotoxicity in Rats
A. MÁRQUEZ-OROZCO, L.A.I. HERNANDEZ-ALVAREZ & M.C. MÁRQUEZ-OROZCO*	65	Sexual Activity in Male Mice Treated Prenatally with Diazepam
L.A.I. HERNANDEZ-ALVAREZ, M.C. MÁRQUEZ-OROZCO* & A. MÁRQUEZ-OROZCO	69	Mating Behavior of Female Mice Treated Prenatally with Diazepam
C.L. WILLIAMS*, S. CODY & T.F. BURKS	73	Stress-Induced Changes in Gastrointestinal Transitin Mice are Dependent on Gender
L.J. GUPPY* & J.M. LITTLETON	77	The Time Course of Up-Regulation and Down-Regulation of Dihydropyridine Binding Sites During the Development of Physical Dependence on Ethanol

Authors	Page	Title
J.K. WAMSLEY*, R.D. SOFIA, R.L.M. FAULL, N. NARANG, T. ARY, X-D GAN & R.T. MCCABE	81	Felbamate: Interaction with Glycine Receptors in Human Cerebral Cortex
J.A. PALMA-AGUIRRE*, J. NAVA RANGEL, C. HOYO-VADILLO, M.E. GIRARD-CUESY, G. CASTAÑEDA-HERNÁNDEZ, E. ARTEAGA-GRANADOS & R. DE MUCHA-MACÍAS	85	Influence of Mexican Diet on Nifedipine Pharmacodynamics in Healthy Volunteers
A.M. POISNER, G.J. DOWNING & R. POISNER*	87	Phosphodiesterase Inhibitors have Differential Effects on Placental Versus Decidual Prorenin Release
B. KEST*, J.S. MOGIL, W.F. STERNBERG, R.N. PECHNICK & J. LIEBESKIND	89	Haloperidol Increases Pain Behavior Following Peripheral Tissue Injury
C. HOYO-VADILLO*, J.T. PEREZ-URIZAR, I. GARCIA, C.M. VILLALON, J.A. TERRON & F.J. LOPEZ-MUÑOZ	91	Relationship Between Plasma Levels of Naproxen and Analgesic Efficacy in Rats: Synergism with Caffeine
J.A. TERRóN*, C. HOYO-VADILLO, F.J. LÓPEZ-MUÑOZ & C.M. VILLALÓN	93	External Carotid Vasoconstriction Induced by 2-(2-Aminoethyl)quinoline (D-1997), a Novel Agonist at Vascular 5-HT_1-like Receptors
N.W. DOSS, G. SIDHOM, P.E. DUTT, M. WALKER, J. GINTAUTAS* & A.R. ABADIR	95	Effects of Propofol and Thiopental on Patient Recovery from Anesthesia
M. RUS, A.R. ABADIR, P. TADOORI, G. LOHMAN, M.R. CHAUDHRY & J. GINTAUTAS*	97	Systemic Absorption of Lidocaine via Canine Carotid Artery
J. GINTAUTAS*, L.D.G. ANGUS, P.E. DUTT & A.R. ABADIR	99	Pharmacological and Surgical Management of Pediatric Renal Injuries
B. ANGUS, A.R. ABADIR, M.R. CHAUDHRY & J. GINTAUTAS*	101	Heparin-Induced Thrombocytopenia
M.P. MACEDO & W.W. LAUTT*	103	Nitric Oxide Suppression of Norepinephrine Release from Nerves in the Superior Mesenteric Artery
M.M. KHAN* & R.G. TOWNLEY	105	Cytokine Studies in Allergy and Asthma
C.C. YAN & R.J. HUXTABLE*	107	Release of an Alkylating Metabolite, Dehydromonocrotaline, from the Isolated Liver Perfused with the Pyrrolizidine Alkaloid, Monocrotaline
R.J. HUXTABLE* & S.L. WILD	109	Relationship Between In Vitro Metabolism of Pyrrolizidine Alkaloids and Extrahepatic Toxicity In Vivo

Authors	Page	Title
M.V. GAZCA-RAMÍREZ, M.C. MÁRQUEZ-OROZCO*, A. MÁRQUEZ-OROZCO & M. RAMOS-AVILA	113	Ultrastructural Alterations in the Sertoli Cells of Adult Mice Exposed to Diazepam
M.C. MÁRQUEZ-OROZCO*, A. MÁRQUEZ-OROZCO, M.V. GAZCA-RAMÍREZ & R. ANDRADE-MARTÍNEZ	115	Cerebellar Ultrastructural Changes Produced by Diazepam
A.J. CHUANG*, K.F. KILLAM, JR., R.Y. CHUANG, J. MENDELEYEV & E. KUN	117	Comparison of the Cytotoxic and Antiretroviral Effects of 3-Nitrosobenzamide and 4-Iodo-3-nitrobenzamide
C.A. GONZÁLEZ-GARCÍA*, L.G. IBARRA-IBARRA & S. BARBOSA-VIVANCO	121	Comparative Study of Ketorolac and Dipyrone Administered Orally in the Treatment of Postoperative Pain
E. MERA*, A.E. YEPEZ, P. MURIEL, C. CASTILLO & E. HONG	123	Serotonin may affect Hepatic Glycogen Stores in Rats
G. MEXICANO, P. ROJAS, C. RIOS & F. AYALA-GUERRERO*	125	Effect of Para-Chlorophenylalanine on Brain Concentration of Monoamines in a Bird Species
J. BADIA, F. IRAZOQUE, G. ZAMORA & F. MARTÍNEZ-ZURITA*	129	Open Study to Evaluate the Efficacy and Safety of Intramuscular Naproxen in Flares of Different Rheumatic Condition
D.E. WOOLLEY	131	Differential Effects of Benzodiazepines, Including Diazepam, Clonazepam, Ro 5-4864 and Devazepide, on Lindane-Induced Toxicity
I. OMAÑA*, V. OLVERA, P. SANTOS & J.L. CALDERÓN	135	Naloxone Prevents Reduction of Pain Responses Evoked by Acupuncture in Neuropathic Rats
C.E. REIGEL* & W.M. BOURN	137	Cross-Substitution of Diazepam for Barbital Results in only a Low Incidence of Audiogenic Seizures upon Withdrawal in Dependent Rats
W.F. STERNBERG, J.S. MOGIL, M.L. PILATI, C. BOUN, S.K. WONG & J.C. LIEBESKIND*	141	Neurochemical Quality of Nonopioid Stress-Induced Analgesia is not Altered by Estrous Phase in Female Mice
A. HIRAZUMI*, E. FURUSAWA, S.C. CHOU & Y. HOKAMA	145	Anticancer Activity of *Morinda citrifolia* (Noni) on Intraperitoneally Implanted Lewis Lung Carcinoma in Syngeneic Mice
C.A. GONZÁLEZ*, J.L. MARTÍNEZ, V. ESPARZA, L. MORENO & J. CARREÓN	147	Comparison of Intravenous Ketorolac and Butorphanol on Ventilatory Function and Analgesia of Pain after Surgery
F. AYALA-GUERRERO*, S. HUITRON-RESENDIZ & G. MEXICANO	149	Effect of Parachlorophenylalanine on Sleep Spikes in the Iguanid Lizard *Ctenosaura pectinata*

Authors	Page	Title
F. BUTRÓN, A. GALICIA, G. ZAMORA & F. MARTINEZ-ZURITA*	153	Single Blind Study to Evaluate the Efficacy and Safety of Naproxen Gel Compared with Diclophenac Emulgel in the Treatment of Soft Tissue Injuries
F. MARTINEZ GALLARDO A. LÓPEZ FIESCO* & G. ZAMORA	157	Symptomatic Treatment of Common Cold in Children with a New Combination of Naproxen Sodium Plus Pseudoephedrine Hydrochloride: A Comparative Trial Against Pseudoephedrine Syrup
C. RÍOS*, S. BRAVO-VELAZQUEZ, M. ALTAGRACIA & J. KRAVZOV	159	Enhancement of Striatal Lipid Peroxidation Induced by 1-Methyl-4-phenylpyridinium in Mouse Brain is Blocked by MAO-B Inhibitors
A. LÓPEZ FIESCO*, J.E. HERRERA, J.M. RODRIGUEZ, V. ALONSO, M.G. DE LA PARRA, E. VAZQUEZ, S. NAMUR & G. ZAMORA	161	Bioequivalence Study of a New Combination of Naproxen Sodium Plus Pseudoephedrine Capsules in a Mexican Sample Population
J.P. HIEBLE & R.R. RUFFOLO*	163	Adrenoceptors: Pharmacological Subclassification and Therapeutic Applications

Abstracts

D.T. WONG	169	Prozac: Basic Science and Clinical Utilities
V. J. DZAU, M. MUKOYAMA, B. KOBILKA & R.E. PRATT	169	Molecular Biology of Angiotensin Receptor Subtypes: Implications in Physiology and Pharmacology
P.W.J. SNAPE	169	Pathophysiology and Current Management of Irritable Bowel Syndrome
F. PORRECA & R. CRAFT	170	Visceral Pain and Analgesic Drugs
G.W. GULLIKSON	170	Use of Serotonin Agonists and Antagonists for Treatment of Irritable Bowel Syndrome
T.F. BURKS & C.L. WILLIAMS	170	Stress, Sigma Ligands and Kappa Opioids in Disordered Motility
R.R. RUFFOLO, JR. & J.P. HIEBLE	170	α_1-Adrenoceptors: Pharmacological Classification and Therapeutic Applications
T.A. ESBENSHADE & K.P. MINNEMAN	171	α_1-Adrenergic Receptors and Signalling Pathways
I. MURAMATSU	171	α_1-Adrenoceptor Subtypes with a Low Affinity for Prazosin
D.A. SCHWINN	171	Molecular biology of α_1-adrenoceptors
G.L. WESTBROOK	171	Physiology of Glutamate Receptor Channels in Mammalian Neurons
B. BETTLER, J. BOULTER, R. DINGLEDINE, J. EDGEBJERG, M. HOLLMANN, R.I. HUME, R. PUCHALSKI & S. HEINEMANN	172	Molecular Biology of Glutamate Receptors in Learning and Disease
P.M. BEART	172	The Pharmacology and Therapeutic Implications of NMDA Receptors

Authors	Page	Title
D.D. SCHOEPP	172	Second Messenger Responses, Pharmacology, and Functional Consequences Linked to Activation of Metabotropic Glutamate Receptors
B.B. WOLFE, R.P. YASUDA, S.J. WALL, M. LI, W. CIESLA & S. WYNNE	172	Development and Utilization of a Panel of Antisera Selective for Each of the Subtypes of the Muscarinic Cholinergic Receptor
N.M. NATHANSON	173	Molecular Analysis of the Regulation of Muscarinic Acetylcholine Receptor Number and Function
D.E. CLAPHAM	173	Muscarinic Receptor Subtype Specificity of Calcium Release
E.E. EL-FAKAHANY	173	Functional Receptor Subtype Selectivity of Muscarinic Agonists
R.K. CADY	173	Serotonin, Migraine and Sumatriptan - Clinical Observations
S.J. PEROUTKA	174	Anti-Migraine Drug Interactions with Cloned Human 5-Hydroxytryptamine$_1$ Receptor Subtypes
M.A. MOSKOWITZ	174	Serotonin Receptor Targets in Migraine: Importance for Pathogenesis and Treatment
M.W. HAMBLIN	174	Understanding the Molecular Biology of Serotonin Receptors: Migraine Isn't the Only Headache
L.S. ROBBINS, M. HUNTER & R.D. CONE	174	Molecular Genetics of the Melanocortin Receptors
D. DAUNT, R. LINK, J. KALLIO, M. VON ZASTROW, G. BARSH & B. KOBILKA	175	α_2-Adrenergic Receptor Subtype Diversity
D. JULIUS	175	Molecular Characterization of an ATP Receptor
D.G. LOWE	175	Guanylylate Cyclase Receptor Mechanisms
T.G. BOULTON, N. STAHL, S. DAVIS, N. IP & G. D. YANCOPOULOS	175	Signal Transduction Mechanisms of Ciliary Neurotrophic Factor
G. LANDRETH	176	Intracellular Mechanisms of Nerve Growth Factor Signal Transduction
G.A. EVANS, L. SELLERI, J. QUACKENBUSH & M.W. SMITH	176	Large Scale Chromosome Mapping and Gene Discovery
G. NEMEROW, T. WICKHAM, E. FILARDO & D. CHERESH	176	The Role of Cell Surface Integrins in Adenovirus Cell Entry
J.-K. YEE	176	Prospects for Human Gene Therapy
T.J. KNITTLE, A. FELIPE, K.L. DOYLE & M.M. TAMKUN	177	Molecular Analysis of Voltage-Gated Sodium Channel Isoforms Representing a New Sodium Channel Gene Sub-Family
A. L. GOLDIN	177	Molecular Analysis of Sodium Channel Inactivation
H.A. FOZZARD, S. DUDLEY & G. LIPKIND	177	Structure of the Tetrodotoxin/Saxitoxin Binding Site in the Mouth of the Sodium Channel
D.A. HANCK, J.C. MAKIELSKI & M.F. SHEETS	177	On the Mechanism of Local Anesthetic Action

Authors	Page	Title
P. KU, K. LAI, R.M. EGLEN & S.S. HEGDE	178	Serotonin 5-HT_4 Receptors Mediate Contraction of Colonic Circular Smooth Muscle of the Guinea Pig In Vivo
S.L. WALLACE, L.G. JOHNSON, A.M. STROSBERG & R.M. EGLEN	178	A Comparison of Serotonin 5-HT_4 Antagonists in the Vagotomized Pig Model of Serotonin-Induced Tachycardia
L.D. WATERBURY & M. G. BRAND	178	Evaluation of New Method to Assay Dopamine-ß-Hydroxylase Activity In Vitro
J.-M. TRIFARÓ, M.L. VITALE, A.R. DEL CASTILLO & M. MARCU	179	Scinderin and Chromaffin Cell Actin Network Dynamics During Exocytosis
D.J. CHEEK & I.L.O. BUXTON	179	Endothelial Cells Express Extracellularly Directed Nucleoside Diphosphate and Adenylate Kinase Activities
H. TSAI, J. BUCHHOLZ & S.P. DUCKLES	179	Differential Effect with Age of the Mitochondrial Blocker, Dinitrophenol, on Vascular Norepinephrine Release
Z. LI & S.P. DUCKLES	180	Vascular Reactivity Differs Between Male and Female Rats
A.P.D.W. FORD, D.R. BLUE, T.J. WILLIAMS & D. E. CLARKE	180	α_1-Adrenoceptor Subtypes: An Attempt to Resolve Classification Schemes (Or, Will the True Pharmacological α_{1a} Receptor Please Step Forward)
J.R. SMITH & R.E. PURDY	180	Potassium-Induced Amplification of Vasoconstriction to α-Adrenergic and Serotonergic Agonists
Q.-M. ZHU, N. ARREDONDO, D.R. BLUE, JR., A.P.D.W. FORD, M.S. KAVA, R.L. VIMONT, T.J. WILLIAMS & D.E. CLARKE	180	α-Adrenoceptors Mediating Pressor Responses to Sympathetic Nerve Stimulation and Norepinephrine in Pithed Rats
D.R. BLUE, JR., A.T. BLUE & D.E. CLARKE	181	$ß_1$-, Not $ß_3$-Adrenoceptors, Mediate the Chronotropic Effect of Selective $ß_3$-Adrenoceptor Agonists in Guinea Pig Atria
A. HORITA, M.A. CARINO & Y. UKAI	181	The SKF38393-Mediated Analeptic Effect in Pentobarbital-Narcotized Rats Requires an Intact Central Dopamine System
B.G. XUE & J.D. BELLUZZI	181	In Vitro Reinforcement of Hippocampal CA1 Bursting by the D_3-Preferring Agonist, (+)-4-Propyl-9-Hydroxynaphthoxazine
S.K. O'NEILL & C.R. TRIGGLE	181	Isolation and Purification of Soluble Guanylate Cyclase from Human Platelets
W.J. PEARCE & C.R. WHITE	181	Reasons Why Peak Cyclic GMP Need Not Correlate With the Magnitude of Vasodilatation Following Guanylate Cyclase Activation
C.W.R. SHUTTLEWORTH, J. WEINERT, K.M. SANDERS & I.L.O. BUXTON	182	Evidence for Nitric Oxide Release from Canine Colon
G. W.K. RIKER, M. SAIYED, E. KIENLE & L.M. RIKER	182	Gender Differences in Hypothermia and Oxygen Consumption in Physostigmine-Treated Hypoxic Mice
L. ZHANG, W.J. PEARCE & L.D. LONGO	182	Acute Hypoxia Contracts the Uterine Artery in Pregnancy
M. PERUSQUÍA & R. HERNÁNDEZ	183	Vasodilating Effect of Reduced Steroids on Isolated Rat Aorta
J.R. MCNEILL & F.X. RATNAPANDIAN	183	Validation of a Flow-Differential Technique for the Recording of Blood Volume Changes in the Cat Spleen

Authors	Page	Title
S. BHANOT, S. VERMA & J.H. MCNEILL	183	Vanadyl Sulfate and Metformin Lower Plasma Insulin Levels and Blood Pressure in Spontaneously Hypertensive Rats
J. GELINEAU-VAN WAES & C.A. JOHNSTON	183	Role of Gonadal Steroids in the Plasticity of Neuronal Interactions of Oxytocin with LHRH
V. JAYME, C. RIVERA, F. MENDOZA, C. RUBIO & C. LEMINI	184	Comparative Effects of Estradiol and 17β Aminoestrogens, Butolame and Pentolame, on Male Reproductive Tract
C. LEMINI, G. SILVA, J. GARCÍA-MONDRAGON & M. PERUSQUÍA	184	Uterotrophic Activity of Benzoic Acid
B.Y. PEROTTI, L. M. BORNHEIM & L. Z. BENET	184	Subsequent Metabolism of 13-Desmethyl FK 506 in Liver Microsomes From Dexamethasone-Treated Rats Exhibits a Fast Rate of Elimination
P.M. BEART, R.E. LOIACONO & N.M. JONES	184	Nitric Oxide and NMDA-Mediated Release of [^{3}H]D-Aspartate
T.R. HINDS, H. NGUYEN, T.T. ROHN	185	Effect of Strophanthidin on the Ca^{2+}-ATPase Pump in Human Erythrocyte Membranes
T.T. ROHN, T.R. HINDS & F.F. VINCENZI	185	Neutrophil-Mediated Inhibition of the Calcium Pump ATPase in Intact Red Blood Cells
D.A. MATHERS, Y. HONG & X. ZHANG	185	Cation-Permeable Ion Channels in Dispersed Smooth Muscle Cells of Rat Cerebral Artery
B.S. TUANA, B. MURPHY, J. WIGLE, G. TIBBITS & C. PRATT	185	Cloning of a Highly Conserved α_1 Subunit of the Dihydropyridine Receptor from the Fish Heart
J.Y.K. WAT, A.J. GROOM & M.J.A. WALKER	186	Effects of Arylbenzacetamides on Neuromuscular Preparations
X. ZHANG, D.A. MATHERS & E. PUIL	186	Inhibitory Effects of Internal Mg^{2+} on Large Conductance Ca^{2+}-activated K^+ Channels of Rat Cerebrovascular Smooth Muscle Cells
P. VERGARA-ARAGÓN, R. GUTIÉRREZ-MEJÍA, B. BARRERA-MERA, A. DURÁN-VÁZQUEZ & J. AQUINO-RODRÍGUEZ	186	The Effect of Atropine on the Mechanisms for Hydrosaline Regulation in the Rat
N. WATSON, H. REDDY & R.M. EGLEN	186	Lack of M_2-Mediated Contraction in Guinea Pig Trachea After M_3 Receptor Alkylation
J.R. ARDEN & J. LAMEH	187	Localization of Internalization Defective Mutants of Human Muscarinic Receptor by Confocal Microscopy
M.S. SHOCKLEY, W. SADÉE & J. LAMEH	187	Mutations in the Muscarinic HM1 Receptor Define Residues Important for Agonist-Mediated Down-Regulation
G. LOHMAN, S. COHEN, A.R. ABADIR & J. GINTAUTAS	187	Saline Solution for Gunshot Wounds in the Head
T.R. LAHANN, S. ROBERTS, T. MYLER, C. ELSTAD & W. BAUER	187	Boronophenylalanine-Mediated Boron Neutron Capture Therapy of Malignant Melanoma: Improved Delivery of Boron to Tumor

Authors	Page	Title
R.C. ZARCO, I.Z. DE CORONADO, I.A.C. ZARCO & R.C. MALAGÓN	188	Hyperactivity Induced by Prenatal Capsaicin in Female Rats
I.Z. DE CORONADO, C.R. POO & C. LEMINI	188	Nongenomic Suppression of Prenatal Capsaicin-Induced Hyperactivity in Female Rats by Aminoestrogen
P. HÓGGER, E. SO, J. LAMEH & W. SADÉE	188	Effects of Point Mutations in i3 Loop Domains Proximal to Helices 5 and 6 on Coupling and Sequestration of the HM1 Receptor
J.W. REGAN, T.J. BAILEY & A. PORTER	188	Cloning of a Guinea Pig Atrial α_2-Adrenergic Receptor
G.J. MOORE, J.R. SMITH, A. WAHHAB, D. MOORE & R. GANTER	189	Modelling and Design of Angiotensin Mimetics
D.C. DYER, L. ZHANG, F. HEMBROUGH, M. ISLA & G. ALI	189	Activation of Cardiovascular Serotonin Receptors in the Pregnant Ewe and Fetus by Lysergic Acid Diethylamide: Effect of Ketanserin
A. BAKHTIANAN, H. MOHAMMED, A. SIDARTA, & R.E. PURDY	189	Mechanism of Serotonin-Induced Contraction: Participation of Both Phospholipase C and Protein Kinase C in the Cellular Influx of Calcium in Rabbit Aorta
R.E. PURDY & J.K.D. TOAN	189	Ouabagenin: Evidence for Allosteric Modulation of Vascular Serotonin 5-HT_2 Receptors
E. HONG	190	Differences in the Pharmacological Activity of the (+) and (-) Indorenate Isomers
H. LAL, S.M. REZAZADEH & C.J. WALLIS	190	Serotonin Receptor Activation During Acute Ethanol Withdrawal
D.R. ADRIANA, M.L. RAÚL & H.P. MARCELA	190	Bioequivalence Study of Paracetamol Tablets: In Vitro and In Vivo Correlation
F.J. FLORES-MURRIETA, M.S. CASTILLO-MÉNDEZ, V. GRANADOS-SOTO, F.J. LÓPEZ-MUÑOZ & G. CASTAÑEDA-HERNÁNDEZ	190	Potentiation by Caffeine of the Analgesic Effect of Aspirin in the PIFIR Model
V. GRANADOS-SOTO, F.J. LÓPEZ-MUÑOZ, E. HONG & F.J. FLORES-MURRIETA	191	Relationship Between Pharmacokinetics and the Analgesic Effect of Ketorolac in the Rat
J. LEUNG & B. MACLEOD	191	Intravenous Regional Analgesia of the Mouse Tail; A Novel Assay
Z. WANG & W. SADÉE	191	Constitutive Activation of μ Opioid Receptors
E.T. WEI & H.A. THOMAS	191	Anti-Inflammatory Properties of Dynorphin A and Related Peptide Fragments
M.E. POSADA, L. MARTÍNEZ, P. GARCÍA, P.E. FLORES, L.J. GONZÁLEZ, K. GONZÁLEZ, O. PACHECO, G.M. VELÁZQUEZ, E. ANGELES, I. MENCONI & R. MARTÍNEZ	192	Structure-Activity Relationships of Some 1,4-Dihydropyridines with Antiinflammatory and Analgesic Activity
G.M.D. RAMÍREZ, V. WIEGANT & W. DEJONG	192	Effect of Fentanyl on Brain Plasma ß-Endorphin Levels in Stroke-Prone Spontaneously Hypertensive Rats

Authors	Page	Title
T.E. PÉREZ, B.Y. SALDAÑA, M. ZENTELLA, G.E. PIÑA, A.A. RIVERA & G.M.D. RAMÍREZ	193	Effect of Tenoxicam on the Lipoperoxidation Induced by Ethanol in the Brain of Male Taconic Mice
A.A. RIVERA, M.S. RIVERA, T.E. PÉREZ, G.G. CÓRDOVA, W.N. TAPIA, O.L. VÁZQUEZ, R.C. RODRÍGUEZ, R.C. LOREDO, A.M. ACOSTA & G.M.D. RAMÍREZ	193	Effect of Corn Oil on the Hypnosis Induced by Ethanol in Taconic Mice
J.S. MIRANDA, F. ACOSTA, N. ALCÁNTARA, C. LARIOS, V. WAMSKE, J. GONZÁLEZ, E. LÓPEZ & M. LUJÁN	193	Participation of Prostaglandin E_1 in Ethanol-Induced Hypnosis, Hypothermia, and Bradypnea in CD1 Male Mice
R.M. JOHNSON, P.A. MCNEELEY, K. DE MOOR, G.T. INOUYE & S. PITCHFORD	194	Ciliary Neurotrophic Factor Receptor Activation in SH-SY5Y Cells Stimulates Metabolism Independent of Second Messenger Formation

Constitution of the Western Pharmacology Society 195
Criteria for membership 196
Officers of the Society 197
Syntex Prize in Receptor Pharmacology 198
Student prize winners 198
Next meeting 198
Member news 199
Instructions to authors 200
Registrants: 37th Annual Meeting 201
Active members of the Western Pharmacology Society 202
Author index 205